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## NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

06/11/2010

Emcore Corporation Attention: Daniel McGlynn 1600 Eubank Blvd. SE Albuquerque, NM 87123 EXAMINER

BARTON, JEFFREY THOMAS

ART UNIT

PAPER NUMBER

1795

DATE MAILED: 06/11/2010

APPLICATION NO.	PLICATION NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/773,343	02/06/2004	Paul R. Sharps	1613370-0046 CON	6467	

TITLE OF INVENTION: MULTIJUNCTION SOLAR CELL WITH A BYPASS DIODE HAVING AN INTRINSIC LAYER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/13/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

## Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

indicated unless correct maintenance fee notification	correspondence includir ted below or directed oth ations.	ng the Patent, advance onerwise in Block 1, by (	rders and notification a) specifying a new co	of n	naintenance fees w pondence address;	and/or	mailed to the current (b) indicating a sepa	correspo trate "FE!	ndence address as E ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)  7590 06/11/2010				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
Emcore Corpo Attention: Danie 1600 Eubank B		Certificate of Mailing or Transmission  I hereby certify that this Fee(s) Transmittal is being deposited with the Unite States Postal Service with sufficient postage for first class mail in an envelop addressed to the Mail Stop ISSUE FEE address above, or being facsimi transmitted to the USPTO (571) 273-2885, on the date indicated below.					ail in an envelope or being facsimile		
Albuquerque, N	IM 87123								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFI	RMATION NO.
10/773,343 TITLE OF INVENTION	02/06/2004 N: MULTIJUNCTION SC	DLAR CELL WITH A B	Paul R. Sharps YPASS DIODE HAVI	NG A	AN INTRINSIC L		3370-0046 CON		6467
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810		09/13/2010
EXAM	MINER	ART UNIT	CLASS-SUBCLASS	;	٦				
BARTON, JEFI	FREY THOMAS	1795	136-249000						
"Fee Address" inc PTO/SB/47; Rev 03- Number is required  3. ASSIGNEE NAME A PLEASE NOTE: Un	AND RESIDENCE DATA tless an assignee is ident th in 37 CFR 3.11. Comp	"Indication form led. Use of a Customer  A TO BE PRINTED ON lifted below, no assignee	data will appear on the	or a attorible to the state of a troid to the state of th	rely, e firm (having as a gent) and the nammers or agents. If printed.  e) ttent. If an assignassignment.	memb es of up no nam	er a 2p to lee is 3lentified below, the definition	ocument	has been filed for
4a. The following fee(s)  Issue Fee  Publication Fee (1)	riate assignee category or are submitted: No small entity discount p # of Copies	4) permitted)	b. Payment of Fee(s): (  A check is enclos  Payment by credi  The Director is he	(Plea ed. t care	se first reapply ar	y prev	iously paid issue fee ched.	shown at	bove)
a. Applicant claim  NOTE: The Issue Fee ar	atus (from status indicated ns SMALL ENTITY statu nd Publication Fee (if req	us. See 37 CFR 1.27.	b. Applicant is no	long	ger claiming SMAl	LL ENT	ΓΙΤΥ status. See 37 Cl	FR 1.27(g	g)(2).
interest as shown by the	records of the United Sta	tes Patent and Trademark	Office.						
Authorized Signature	·				Date				
Typed or printed name					Registration N	lo			
an application. Confider	nation is required by 37 C ntiality is governed by 35 ed application form to the tions for reducing this but Virginia 22313-1450. DC 313-1450.	U.S.C. 122 and 37 CFR	1.14. This collection i	s est	imated to take 12 i	minutes	to complete, including	ig gatheri	ng, preparing, and

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Attention: Daniel N	McGlynn		ART UNIT	PAPER NUMBER	
1600 Eubank Blvd. SE Albuquerque, NM 87123			1795		
			DATE MAILED: 06/11/201	0	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/773,343	SHARPS ET AL.
Notice of Allowability	Examiner	Art Unit
	Joffroy T. Barton	1795
	Jeffrey T. Barton	1795
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communica GHTS. This application is subje	application. If not included tion will be mailed in due course. <b>THIS</b>
1. 🔀 This communication is responsive to the amendment filed of	on 24 March 2010.	
2. $\boxtimes$ The allowed claim(s) is/are $\underline{47,69,112-120,122-126,129}$ and	<u>d 131-133</u> .	
3. Acknowledgment is made of a claim for foreign priority ur	nder 35 U.S.C. § 119(a)-(d) or (f)	
a) ☐ All b) ☐ Some* c) ☐ None of the:		
<ol> <li>Certified copies of the priority documents have</li> </ol>	been received.	
<ol><li>Certified copies of the priority documents have</li></ol>	been received in Application No	D
<ol><li>Copies of the certified copies of the priority do</li></ol>	cuments have been received in t	his national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		ply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	t be submitted.	
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review(P	TO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		
(b) including changes required by the attached Examiner's	s Amendment / Comment or in the	ne Office action of
Paper No./Mail Date	044 ))	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the		
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Inform	al Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summ	ary (PTO-413),
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail 7. ⊠ Examiner's Ame	Date endment/Comment
Paper No./Mail Date		
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8.	ement of Reasons for Allowance
	9. □ Oulei	